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08/813, 714 03/07/97 SIEFERT

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EXAMINER

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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No. 08/813,714	Applicant Siefert
Examiner S. Lao	Group Art Unit 2755



Responsive to communication(s) filed on Feb 22, 1999

This action is **FINAL**.

Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

Claim(s) 1-14 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

Claim(s) _____ is/are allowed.

Claim(s) 1-14 is/are rejected.

Claim(s) _____ is/are objected to.

Claims _____ are subject to restriction or election requirement.

Application Papers

See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

The drawing(s) filed on _____ is/are objected to by the Examiner.

The proposed drawing correction, filed on _____ is approved disapproved.

The specification is objected to by the Examiner.

The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All Some* None of the CERTIFIED copies of the priority documents have been

received.

received in Application No. (Series Code/Serial Number) _____.

received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

Notice of References Cited, PTO-892

Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

Interview Summary, PTO-413

Notice of Draftsperson's Patent Drawing Review, PTO-948

Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

DETAILED ACTION

1. Claims 1-14 are pending. This action is in response to the amendment filed 2/22/1999. Applicant has amended claims 6, 8, 9.
2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
3. Claims 1-7, 9-10, 12-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ryu *et al* (U. S. Pat. 5,408,608).

As to claim 5, Ryu teaches resource management system (distributed database system, see abstract), RESOURCEx (distributed database), one or more LOCAL SERVERS (data offering terminals A or B) with means for storing RESOURCEx (stores real data, see abstract; detail, fig. 2A), one or more REGIONAL SERVERs (contents control center) with means for storing PROFILEs of RESOURCEx stored (store control information, content list table 57, fig.s 2A, 11A; content, keyword or commands assigned to each real data, see abstract; contents for A, for B, etc), means for electronically linking the LOCAL and REGIONAL SERVERs to transfer therebetween (network, transmission of contents, step 3, fig.s 2A, 2B), one or more PCS coupled to one or more of the SERVERs (user terminals, data offering terminals A or B, fig. 2A), means for storing PROFILEs of RESOURCEx into one or more of the REGIONAL SERVERs (data offering terminals A or B transmit their contents to register with the contents control center 4a, col. 7, ln.s 55-64; fig. 2A), means for searching all of the PROFILEs in the REGIONAL SERVERs (inquiry, sent to control center through network, control center extracts the first and second ranks, see fig.s 9F and 10 and col. 18, lines 23-60).

As to claim 1, note the discussion of claim 5, and further Ryu teaches means for accessing a RESOURCE from any one of the LOCAL SERVERs based on the searched PROFILEs (access, fig. 9F, col. 18, lines 48-68).

As to claims 2-3, Ryu teaches means for storing a downloadable RESOURCE into one or more of the LOCAL SERVERs (other terminal unit returns retrieved data to terminal unit, fig. 9F),

means for downloading any of the RESOURCES contained in any of the LOCAL SERVERs into the PC (terminal unit receives real data, fig. 9F, step 6).

As to claim 4, Ryu teaches means for storing a PROFILE which contains information about a user of a SERVER (control information table 55, col. 18, lines 39-44), means for restricting the user's access to RESOURCES based on the information contained in the user's PROFILE (match user ID and password, col. 18, lines 48-60; fig. 5).

As to claim 6, note discussion of claim 5 and Ryu further teaches each of the REGIONAL SERVERs storing a catalog of PROFILES that describe RESOURCES (contents for A, contents for B), means performed by each PC for storing PROFILES on any of the REGIONAL SERVERs (data offering terminals 1 transmit respective contents to register with the contents control center 4a, col. 7, ln.s 55-64; fig. 2A), see fig. 2A.

As to claim 7, Ryu teaches storing keywords in a PROFILE contained in a REGIONAL SERVER (content control table 55, col. 18, lines 39-44; content list table 57, fig.s 2A, 11A; keyword assigned to each real data, see abstract) and search the PROFILES (control center extracts, col. 18, lines 48-60; fig. 15H), thus searching by Boolean key-words would have been obvious.

As to claim 9, note the discussion of claim 1 and further Ryu teaches allowing a user (user), from a single site (data offering terminal units 1, user terminal unit) to store the PROFILES (data offering terminal units 1 transmit respective contents to register with the contents control center 4a, col. 7, ln.s 55-64; fig. 2A), see fig.s 2A, 2B, 9B, 9F.

As to claims 10, 12, Ryu teaches RESOURCES comprise downloadable data (contents A, contents B, detail of A and B, see fig. 2A), allowing a user to download the downloadable data from one of the LOCAL SERVERs to the user's site (display contents A and B on user terminal unit T3, see fig. 2A), data which is not downloadable (contents in buffer 101 are not output, see col. 10, line 63 - col. 11, line 14, fig. 5).

As to claim 13, Ryu teaches all of the PROFILES are stored in a single REGIONAL SERVER (temporary center, see fig. 2A).

As to claim 14, using distributed managers / name servers is a well known alternative to a centralized manager / name server for providing better fault tolerance. Applying this concept to the system of Ryu would have been obvious, which would provide multiple collections of the PROFILES

/ distributed managers or name servers. Ryu also teaches multiple collections of the PROFILEs (contents of other terminal units stored in a terminal, see fig.s 4 and 5) and each collection contains substantially all of the PROFILEs since the file for self (fig. 5) would be different for each terminal but contents for others would be substantially the same.

4. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ryu *et al* as applied to claim 6 and in view of Terry *et al*.

As to claim 8, Terry teaches a database management system (Tapestry system), including ordering a search to be performed at a future time (continuous queries, scan the incoming record), see abstract; section 1.0; fig.s 1 and 3.

Both Ryu and Terry deal with improving database efficiency, it would have been obvious to combine the teachings. Accordingly, it would have been obvious to apply the teaching of Terry to the search of PROFILEs of Ryu.

5. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ryu *et al* as applied to claim 10 and in view of Dworkin.

As to claim 11, Dworkin teaches a database management system (electronic mall), wherein the RESOURCES include physical objects (hardware products, fig. 4).

It would have been obvious to apply the teaching of Dworkin to the system of Ryu so as to allow user to determine the best price available (col. 1, ln.s 53-60).

6. Applicant's arguments filed 2/22/1999 have been fully considered but they are not persuasive.

In the remarks, applicant argued in substance (1) the cited prior art does not teach the PC storing PROFILEs of RESOURCES into one or more of the REGIONAL SERVERs, (2) the claims of the present invention link the LOCAL SERVERs and REGIONAL SERVERs together so that PROFILEs and RESOURCES can be transferred therebetween, whereas Ryu only transfer contents.

As to (1), Ryu teaches the PC (terminal units) storing PROFILEs (control information including content information) of RESOURCES (distributed database) into one or more of the

REGIONAL SERVERs (content control center), as discussed on claims 5, 1, 6, 9 in the body of the rejection.

As to (2), information transferred therebetween as taught by Ryu includes content information as well as other control information such as latest revision number (fig. 3C) and owner number (fig. 5) which are part of the distributed database stored in the local servers, ie, part of the RESOURCES. Therefore, Ryu meets the claimed limitation of linking the LOCAL SERVERs and REGIONAL SERVERs together so that PROFILEs and RESOURCES can be transferred therebetween.

Applicant further argued interchangable client-server system, reconfiguring the system depending on the PC interaction, and allowing user to store additional information into the database (page 9). These features are not claimed. If applicant feels these are the novel issues that define over the prior art, applicant is encouraged to amend the claims to clearly recite such features.

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for response to this final action is set to expire THREE MONTHS from the date of this action. In the event a first response is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event will the statutory period for response expire later than SIX MONTHS from the date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sue Lao whose telephone number is (703) 305-9657. The fax number for this Group is (703) 305-9731.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Sue Lao

April 29, 1999



ALVIN E. OBERLEY
SUPERVISORY PATENT EXAMINER
GROUP 2700